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**NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE §1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Customer Number 32294**

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Docket No.: 62533.00007

Date: March 26, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
**MAILSTOP PATENT APPLICATION**

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): REACTOR CORE COOLING STRUCTURE

By (Inventors): Yasuyoshi KATO; Yasushi MUTO

- 19 pages of Specification/Claims 1-4/Abstract are attached.
- Formal drawings (Figs. 1-6B; 6 sheets) are attached.
- A Declaration and Power of Attorney is attached.
- An assignment of the invention to President of Tokyo Institute of Technology is attached, along with Form PTO-1595 and a check for \$40.00.
- An Information Disclosure Statement is attached, along with Form PTO-1449, and 1 reference(s).
- This application is entitled to Small Entity Status.
- Priority of foreign application No. 2003-086719 filed March 27, 2003 in Japan is claimed under 35 U.S.C. §119.
- Priority of U.S. Provisional Application(s) No. \_\_\_\_\_ filed \_\_\_\_\_ is claimed under 35 U.S.C. §119(e).
- A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

			SMALL ENTITY		LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEE	OR RATE	FEE
BASIC FEE				\$ 385		
TOTAL CLAIMS	4 - 20	= 0	x 9 =		x 18	
INDEP CLAIMS	1 - 3	= 0	x 43 =		x 86	
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+145 =		+290	
			TOTAL	\$385	OR TOTAL	

- Check No. 011269 in the amount of \$425.00 (\$385.00 for the filing fee and \$40.00 for the Assignment Recordation Fee) is attached. Please charge any fee deficiency or credit any overpayment to Counsel's Deposit Account No. 50-2222. However, this application is entitled to small entity status. DO NOT charge large entity fees to our Deposit Account.

Respectfully submitted,

Douglas H. Goldhush  
Registration No. 33,125

DHG/scc